

MCDR INSPECTION REPORT

Bhubaneshwar regional office

Mine file No : ORI/CR/KJR/MCDR-3/BBS

Mine code : 11ORI08001

- (i) Name of the Inspecting : VPD) VIKRAM DESHPANDE
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : S/Shri Susanta Kumar Naik, Mines Manager, Debashish N
Official with
Designation
- (iv) Date of Inspection : 12/01/2023
- (v) Prev.inspection date : 19/02/2021

PART-I : GENERAL INFORMATION

1. (a) Mine Name : BANGUR(OMC)
- (b) Registration NO. : 4269/IBM/2011
- (c) Category : A Fully Mechanised
- (d) Type of Working : Underground
- (e) Postal address :
State : ORISSA
District : KEONJHAR
Village : BANGUR
Taluka : HATADIHI
Post office : DHANURJAYPUR
Pin Code :
FAX No. : 06731-279057
E-mail : omcbangur@gmail.com
Phone : 06731-279948,279057
- (f) Police Station : Soso
- (g) First opening date : 25/01/1980
- (h) Weekly day of rest : SUN
2. Address for : BANGUR CHROMITE MINE, M/S OMC LTD
correspondance P.O.DHANURJAYAPUR, DIST: KEONJHAR
ORISSA-758078
3. (a) Lease Number : ORI0249
- (b) Lease area : 139.98
- (c) Period of lease : 50
- (d) Date of Expiry : 01/09/2025
4. Mineral worked : IRON ORE Associated
CHROMITE Main

I/4281/2023

5. Name and Address of the

Lessee : O.M.C.LTD.
 OMC House ,P.B.No.34
 BHUBANESWAR Odisha KHURDA
 ORISSA
 Phone:06742393431
 FAX :06742391629

Owner : M/S OMC LTD.
 M/S OMC LTD. OMC HOUSE,
 POST BOX NO. 34
 BHUBANESWAR-751010 KEONJHAR
 ORISSA
 Phone: 06766-233064
 FAX : 06766-233085

Agent : Manoj Kumar Pati
 Po: Dhanurjaypur District:
 Keonjhar KEONJHAR ORISSA
 Phone:
 FAX :

Geologist

Name : Shri Debasis Nayak,Full Time
 Qualification : MSC Geology
 Appointment/ : 26/04/2018
 Termination date

Manager

Name : Sushanya Kumar Naik
 Qualification : BE Mining
 Appointment/ : 21/05/2016
 Termination date

6. Date of approval of Mining	:	FMCP under 23C(1)	21/02/2008
Plan/Scheme of Mining		Renewal under rule 24 MCR1960	03/04/2008
		Mining Scheme rule 12 MCDR1988	19/02/2010
		Mining Scheme rule 12 MCDR1988	21/07/2015

I/4281/2023

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	None	None	The Mine did not report production during 2021-22.
1b	Exploration over lease area for geological axis 1 or 2	None	None	The Mine did not report production during 2021-22.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	None	None	
1d	Balance area to be explored to bring Geological axis in 1 or 2	None	None	
1e	Balance reserve as on 01/04/20	As per mining plan approved on 06.11.2019 the Resources/Reserves (In Million Tonnes) as on 01.08.2019 are: 111-4.79-+10% Cr2O3 211-2.371-+10% Cr2O3	The Balance Resources/Reserves (In Million Tonnes) as on 12.01.2023 are: 111-4.78-+10% Cr2O3 211-2.371-+10% Cr2O3	The mine did not report any production during 2021-22.
1f	General remarks of inspecting officers on geology, exploration etc			The mine did not report any production during the year 2021-22.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
--------	------	-----------	-------------	---------

I/4281/2023

2a	Location of development w.r.t.lease area	0 to -15mRL North Block-In ore. 0 to -30 mRL of South Block-In Ore as well as Waste.	None	The mine did not report production during 2021-22
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Not Applicable	Not Applicable	The mine is an underground mine.
2c	Stripping ratio or ore to OB ratio	Not Applicable	Not Applicable	The mine is an underground mine.
2d	Quantity of topsoil generation in m3	Not Applicable	Not Applicable	This is an underground mine
2e	Quantity of overburden generation in m3	Not Applicable	Not Applicable	This an underground Mine
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			This an underground mine and did not report any production during 2021-22.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Not Applicable	Not Applicable	This is an underground mine.
3b	Quantity of ROM mineral production proposed	94546 Tonnes	Nil	The Mine did not report production during 2021-22.
3c	Recovery of sailable/usable mineral from ROM production	57650 Tonnes	Nil	The Mine did not report production during 2021-22.
3d	Quantity of mineral reject generation	5765	Nil	The Mine did not report production during 2021-22.

I/4281/2023

3e	Grade of mineral rejects generation and threshold value declared.	+10-30% Cr2O3, Threshold Value is 10% Cr2O3	+10-30% Cr2O3, Threshold Value is 10% Cr2O3	
3f	Quantity of sub grade mineral generation.	Nil	Nil	
3g	Grade of sub grade mineral generation	Nil	Nil	The Mine did not report production during 2021-22.
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	None	The Mine did not report production during 2021-22.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	None	None	
3j	Provision of drilling and blasting in mineral benches	Yes.	None	This an underground mine. The Mine did not report production during 2021-22.
3k	Provision of mining machineries in mineral benches	Yes	Nil	This is an underground mine.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Not Applicable	Not Applicable	This is an underground mine. The method of mining proposed is by Sub Level open stoping.
3m	Total area covered under excavation/pits	Nil	Nil	This an underground mine. One open cast pit not in operation was observed during inspection and covered an approximate area of 13.3 ha.

I/4281/2023

3n	Ore to OB ratio for the pit/mine during the year.	Not Applicable	Not Applicable	The Mine did not report production during 2021-22. This is an underground mine.
3o	Total area put in use under different heads at the end of year	i. open cast pit-13.300Ha ii. Waste disposal- 11.510 Ha. iii. Occupied by plant , buildings, residential, welfare building & roads- 6.23 Ha. iv. Mineral Storage is 4.34 Ha.	i. open cast pit- 13.300Ha ii. Waste disposal- 11.510 Ha. iii. Occupied by plant , buildings, residential, welfare building & roads- 6.23 Ha. iv. Mineral Storage is 4.34 Ha.	
3p	Production of ROM mineral during the last five year period as applicable	2016-17= 55650 MT 2017-18=70810 MT 2018-19=89650 MT 2019-20= 90890 MT 2020-21=34979 MT 2021-22=94546 MT	2016-17=2109 MT 2017-18=18584 MT 2018-19=22934 MT 2019-20 =1200 MT 2020-21= NIL 2021-22= NIL	
3q	General remarks of inspecting officers on method of mining etc.			This is an underground mine . There is a open cast pit also within the lease where in no mining operations were carried out and was water logged during the inspection..

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
--------	------	-----------	-------------	---------

I/4281/2023

4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposal for dumping of top soil and mineral rejects. Dumping of waste material at dump 3.	None	The mine did not report any production during 2021-22.
4b	Location of topsoil, OB and mineral reject dumps	Dump-3 for waste material.	Dump-3 for waste material.	
4c	Number of dumps within lease area and outside of lease area	3	3	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	Outside UPL.	
4e	Number of active and alive dumps.	1	1	
4f	Number of dead dumps.	No such proposal	Nil	Two dead dumps exist.
4g	Number of dumps established.	No such proposal	None	A total of 3 dumps exists within the lease.
4h	Whether Retaining wall or garland drain all along dumps are there.	In 2021-22, there was no proposal for construction retaining wall or garland drain around dumps	The existing retaining wall has been maintained around dumps.	
4i	Length of Retaining wall or garland drain all along dumps	In 2021-22, there was no proposal for construction retaining wall or garland drain around dumps	Nil	
4j	Number of settling ponds	No such proposal	None	One previously constructed settling pond exists.

I/4281/2023

4k	Specific comments of inspecting officer on waste dump management			The existing retaining wall has been maintained around dumps. There are three dumps located within ML area, of which dump 1 and 2 are stabilised and dump-3 is active dump.
----	--	--	--	---

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	Not Proposed	Nil	Not Applicable as the mine is planned to stoped with sub level open stoping method.
5b	Area under backfilling of mined out area	Not proposed	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not Proposed	Nil	No topsoil generation as it is an underground mine.
5d	Total area fully reclaimed and rehabilitated	No such proposal	None.	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			The mine is planned to stoped with sub level open stoping method.

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
--------	------	-----------	-------------	---------

I/4281/2023

6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	As per rule 26 (2) of MCDR 2017, The holder of mining lease shall submit to the competent authority a yearly report as per the format specified by the IBM, before 1st day of July every year setting forth the extent of protective and rehabilitative works carried out as envisaged in the approved mine closure plan, and if there is any deviation, reasons thereof:	Submitted.
6b	Area available for rehabilitation (ha) .	Not proposed	Nil
6c	afforestation done (ha).	No proposal	Nil
6d	No. of saplings planted during the year	500	700
6e	Cumulative no .of plants	7000	7700
6f	Any other method of rehabilitation	No proposal	Nil
6g	Cost incurred on watch and care during the year	Rs 500000	Rs 400608

I/4281/2023

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	48000 Cu.m	4000
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	No Proposal	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No Proposal	Nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No Proposal	Nil
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No Proposal	Nil
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No Proposal	Nil

I/4281/2023

6p	Compliance of environmental monitoring (core zone and buffer zone)	Environmental monitoring of Ambient Air Quality, Water Quality etc.	Done as proposed.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Annual return on PMCP as per rule 26(2) of MCDR 2017 has been submitted timely and the work envisaged during the year 2021-22 has been carried out.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade wise sorting within lease area.	Nil	The mine has not reported production during 2021-22.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Nil	The mine did not report any production during 2021-22.
7c	Different grade of mineral sorted out at mines.	High, low and medium grade	Nil	The mine did not report production during 2021-22.
7d	Any beneficiation process at mines .	Not proposed	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Grade wise sorting within lease area was proposed however, the mine did not report any production during 2021-22.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
--------	------	-----------	-------------	---------

I/4281/2023

8a	Separate removal and utilization of topsoil (Rule 32)	Not proposed	Nil
8b	Concurrent use or storage of topsoil	Not proposed	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Dumping of waste in Dump-3	Waste dump D-3 maintained
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	In 2021-22, 500 nos of saplings proposed for plantation	During 2021-22, 700 nos of saplings planted.
8g	Survival rate	Not Specified	80% as per Annual Return for year 2021-22.
8h	Water sprinkling on roads to control airborne dust	Proposed	Being maintained
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Aesthetic beauty in and around mine is maintained..

I/4281/2023

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly Return as per rule 45 (5) (B) and Annual Return as per rule 45 (5) (C) of MCDr 2017 need to be submitted.	Annual return for year 2021-22 and monthly return submitted within time.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Sri Ghanashyam Sahoo, Mine Manager & Mining Engineer. DOA-21.05.2016 Sri Debasish Nayak, Geologist DOA-26.04.2018	Sri Sushanta Kumar Naik, Mine Manager & Mining Engineer. DOA-06.04.2021 Sri Debasish Nayak, Geologist DOA-26.04.2018	Both were present during inspection.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	i. Open cast pit-13.300Ha ii. Waste disposal-11.510 Ha. iii. Occupied by plant , buildings, residential, welfare building & roads- 6.23 Ha. iv. Mineral Storage is 4.34 Ha.	i. Open cast pit-13.300Ha ii. Waste disposal-11.510 Ha. iii. Occupied by plant , buildings, residential, welfare building & roads- 6.23 Ha. iv. Mineral Storage is 4.34 Ha.	
9d	Scrutiny of Annual return on afforestation	500 saplings	700 saplings	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	2187MT	Nil	The mine did not report any production during 2021-22.

I/4281/2023

9f	Scrutiny of Annual return on ROM stock and/or graded ore	1. ROM =34979 MT 2. Finish Product = 21862 MT	1. ROM =Nil 2. Finish Product = Nil	The mine did not report production during 2021-22.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	None	Nil	The mine did not report any production during year 2021-22.
9h	Scrutiny of Annual return on fixed assets		Value of Fixed Assets is Rs. 3,39,47,964.00	

I/4281/2023

Details of violations observed during current inspection and compliance position of violation pointed out

Violation observed			Show couse position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on

Date :**(VIKRAM DESHPANDE)**

Indian Bureau of Mines